IN THE CLAIMS:

Please amend the claims as indicated below:

1.   (Original) A method of transmitting a plurality of sub-streams in a multi-stream digital audio broadcasting system, said method comprising the steps of:

allocating a unique frequency partition to each of said sub-streams for a plurality of consecutive time slots;

allocating a unique time slot to each of said plurality of sub-streams; and

transmitting said sub-streams to a receiver.

2.   (Original) The method of claim 1, wherein said sub-streams include at least two core streams and at least two enhancement streams.

3.   (Original) The method of claim 2, wherein said core sub-streams have a maximum separation in the time domain.

4.   (Currently Amended) The method of claim 2, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and said core sub-streams have a maximum separation in the frequency domain.

5.   (Currently Amended) The method of claim 2, wherein said multi-stream digital audio broadcasting system is a hybrid IBOC (In-Band-On-Channel) system and said core sub-streams are transmitted in the frequency domain in the innermost side bands.

6.   (Currently Amended) The method of claim 2, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and each of said core sub-streams has a maximum separation from one of said enhancement sub-streams in the frequency domain and a maximum separation from the other enhancement sub-stream in the time domain.

7.   (Currently Amended) The method of claim 2, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and said core sub-streams are separated by a data stream.

5   8.   (Original) The method of claim 1, wherein no two sub-streams associated with the same audio segment are transmitted in the same time slot.

9.   (Original) The method of claim 1, wherein a unique time slot is allocated to each of said sub-streams by introducing a delay between each of said sub-streams.

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10.   (Original) A transmitter in a multi-stream digital audio broadcasting system, comprising:

        a modulator for allocating a unique frequency partition to each of two or more sub-streams for a plurality of consecutive time slots;

15   a delay circuit for allocating a unique time slot to each of said two or more sub-streams; and

        a transmitter for transmitting said two or more sub-streams to a receiver.

11.   (Original) The transmitter of claim 10, wherein said two or more sub-streams

20   include at least two core streams and at least two enhancement streams.

12.   (Original) The transmitter of claim 11, wherein said core sub-streams have a maximum separation in the time domain.

25   13.   (Currently Amended) The transmitter of claim 11, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and said modulator provides a maximum separation of said core sub-streams in the frequency domain.

14.   (Currently Amended) The transmitter of claim 11, wherein said multi-stream digital audio broadcasting system is a hybrid IBOC (In-Band-On-Channel) system and said modulator allocates said core sub-streams in the frequency domain to the innermost side bands.

5   15.   (Currently Amended) The transmitter of claim 11, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and each of said core sub-streams has a maximum separation from one of said enhancement sub-streams in the frequency domain and a maximum separation from the other enhancement sub-stream in the time domain.

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16.   (Currently Amended) The transmitter of claim 11, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and said core sub-streams are separated by a data stream.

15   17.   (Original) The transmitter of claim 10, wherein no two sub-streams associated with the same audio segment are transmitted in the same time slot.

18.   (Original) The transmitter of claim 10, wherein a unique time slot is allocated to each of said two or more sub-streams by introducing a delay between each of said two or more
20   sub-streams.